

# SeaLine

Cable type: 2YCH 0.9/2.85-50 LI VZN FRNC RG58 SHF1



**Design**

Inner conductor: Stranded tinned copper wire 19 X 0.19 (21 AWG) ø 0.93 mm (0,037 in)  
 Insulation of Polyethylene (PE) ø 2.85 mm (0,112 in)  
 Shield braiding of tinned copper wires 0.13 mm dia (36 AWG)  
 Coverage about 95% ø 3.4 mm (0,134 in)

**Jacket**

Thermoplastic copolymer (FRNC) BK  
 Wall thickness about 0.75 mm ø (4.95 ±0.15) mm (0.195 ±0.006 in)

Printing: "sequential length in metres" BizLink **SeaLine** SCG \* L45466-B13-B266 \* 2YCH 0.9/2.85-50 LI VZN  
 FRNC RG58 SHF1 \* IEC 60332-3-22 \* "internal lot number"  
 Textintervals about 1000 mm

**Electrical data at 20°C**

Conductor resistance ≤ 37 Ohm/km  
 Insulation resistance ≥ 10 GOhm\*km  
 Operating voltage (peak) ≤ 300 V  
 Characteristic impedance (50 ±2) Ohm  
 Capacitance 1 kHz ≈ 105 nF/km  
 Relative velocity of propagation 66 %  
 Test voltage (wire/screen rms 50Hz 1min) 2000 V

Frequency (MHz)	50	100	200	300	500	1000	2000	2500
Attenuation typ. (dB/100m) (dB/100ft)	12 (3.66)	17 (5.18)	27 (8.23)	34 (10.36)	41 (12.50)	65 (19.81)	95 (28.95)	110 (33.53)

## Mechanical and thermal characteristics

Conductor/Screen material acc. to DIN EN 13602 Cu-ETP-A...-B  
Insulating material acc. to DIN EN 50290-2-23 (VDE 0819), table HD (HD 624.3) (2Y)  
Insulating material acc. to DIN VDE 0207, part 20, compound type EI2  
Jacket material acc. to IEC 60092-360 (IEC 60092-359) SHF1  
Flame retardant acc. to IEC 60332-3-22 (Cat. A)

Approved for Marine and Offshore Applications  
DNV Certificate No. TAE00003A5

## Other characteristics

Similar RG58

RoHS compliant (Directive 2011/65/EU & 2015/863/EU RoHS 3)  
Determination of the amount of halogen acid gas acc. IEC 60754-1  
Corrosivity of fumes acc. to IEC 60754-2  
UV-resistant

Permissible temperature range : -25 °C (-13 °F) up to 80 °C (176 °F)  
Min. bending radius allowed : repeated 10X ø, single 5X ø  
Weight about : 39 Kg/km (26 lb/1000ft)

## Designation of order

L45466-B13-B266  
214590  
2YCH 0.9/2.85-50 LI VZN FRNC  
1000 m (3281 ft) on non-returnable reel

Product has not been tested and classified according to the CPR (EU/305/2011).  
The product shall not be permanently installed in buildings in the EU.